

Title (en)
INKJET PRINT HEAD

Title (de)
TINTENSTRAHLDRUCKKOPF

Title (fr)
TETE D'IMPRESSION A JET D'ENCRE

Publication
EP 1791697 A2 20070606 (EN)

Application
EP 05805109 A 20050901

Priority
• IB 2005052871 W 20050901
• GB 0419451 A 20040902

Abstract (en)
[origin: WO2006025033A2] An inkjet print head comprises an array of print head heater circuits. Each circuit has a heater element (12) and a drive transistor (14) in series between power lines (20,22), and with a node (23) at the junction therebetween. A first capacitive element (50) is coupled between a first control signal (52) and the node (23) and a second capacitive element (54) is coupled between a second control signal (56), which is complementary to the first control signal (52), and the node (23). The two capacitive elements can be used to capacitively couple opposite step voltage changes into the circuit. These capacitive coupling effects can be used to alter the switching characteristics so as to reduce simultaneous high voltages on the gate and drain of the drive transistor.

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B41J 2/05 (2006.01)

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